BLASTP 2.2.10 [Oct-19-2004]

RID: 1103813075-8313-18124632603.BLASTQ4
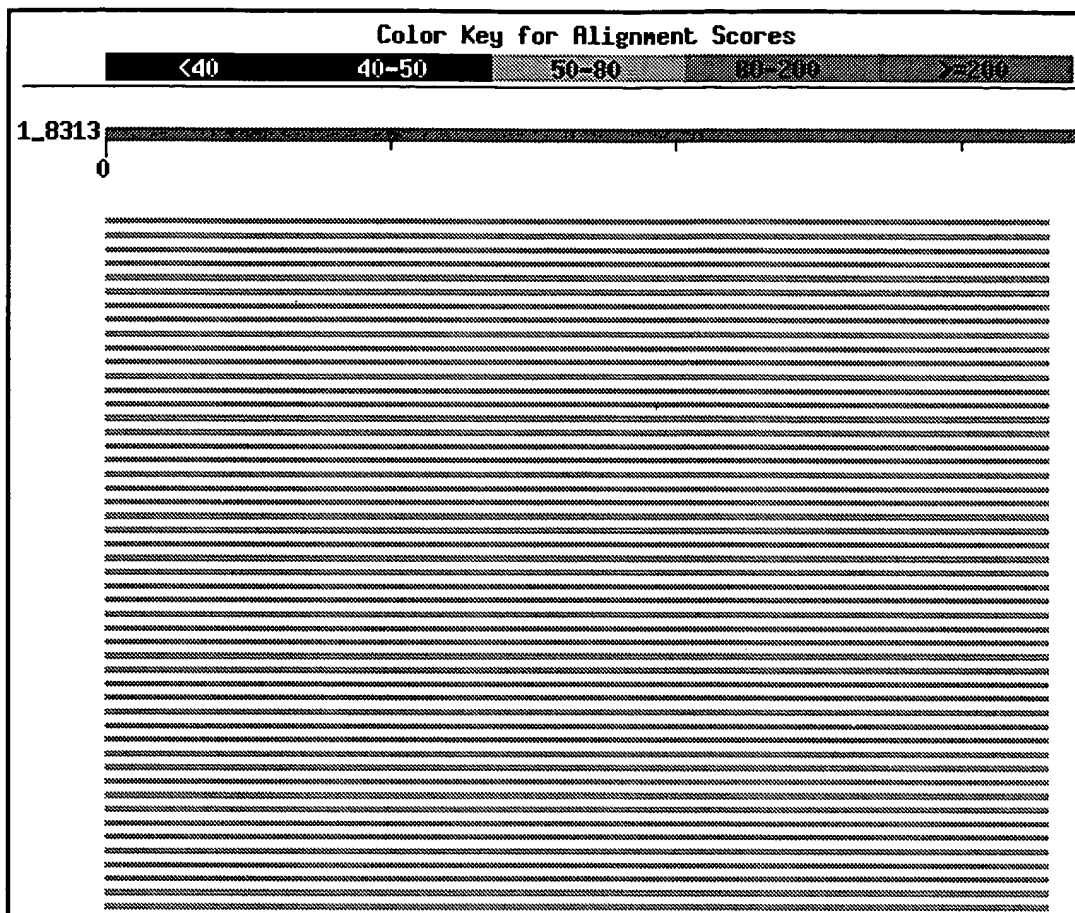
Query=
(34 letters)

Database: All non-redundant GenBank CDS
translations+PDB+SwissProt+PIR+PRF excluding environmental samples
2,254,400 sequences; 760,999,257 total letters

If you have any problems or questions with the results of this search
please refer to the **BLAST FAQs**

Taxonomy reports

Distribution of 500 Blast Hits on the Query Sequence

Mouse-over to show defline and scores. Click to show alignments

Color Key for Alignment Scores

| <40 | 40-50 | 50-80 | 80-200 | >=200 |

1_8313

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Sequences producing significant alignments:	(bits)	Value
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gi|5918947|gb|AAD56189.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|5918945|gb|AAD56188.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|5918943|gb|AAD56187.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|5918941|gb|AAD56186.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|56342243|dbj|BAD73999.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342241|dbj|BAD73998.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342235|dbj|BAD73995.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342233|dbj|BAD73994.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342231|dbj|BAD73993.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342229|dbj|BAD73992.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342223|dbj|BAD73989.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342221|dbj|BAD73988.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342219|dbj|BAD73987.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342217|dbj|BAD73986.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342213|dbj|BAD73984.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342211|dbj|BAD73983.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342209|dbj|BAD73982.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342203|dbj|BAD73979.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342201|dbj|BAD73978.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342195|dbj|BAD73975.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342193|dbj|BAD73974.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342187|dbj|BAD73971.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|56342185|dbj|BAD73970.1|   polyprotein [Hepatitis C virus ...       74    1e-12
gi|221645|dbj|BAA00593.1|     putative envelope protein [Hepati...      74    1e-12
gi|3098633|gb|AAC15722.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|4469534|gb|AAD21308.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|4469510|gb|AAD21284.1|     polyprotein [Hepatitis C virus]          74    1e-12
gi|4469509|gb|AAD21283.1|     polyprotein [Hepatitis C virus]          74    1e-12
```

Alignments

☐ >gi|29365653|gb|AAO83219.1| envelope protein E1 [Hepatitis C virus]
            Length = 119

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365577|gb|AAO83181.1| envelope protein E1 [Hepatitis C virus]
            Length = 119

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365575|gb|AAO83180.1| envelope protein E1 [Hepatitis C virus]
            Length = 119

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365527|gb|AAO83156.1| envelope protein E1 [Hepatitis C virus]
            Length = 119

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|20339989|gb|AAM19647.1| E1/E2 protein [Hepatitis C virus]
            Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339987|gb|AAM19646.1| E1/E2 protein [Hepatitis C virus]
  gi|20339985|gb|AAM19645.1| E1/E2 protein [Hepatitis C virus]
  gi|16517612|gb|AAL24768.1| polyprotein [Hepatitis C virus]
  gi|16517610|gb|AAL24767.1| polyprotein [Hepatitis C virus]
  gi|16517606|gb|AAL24765.1| polyprotein [Hepatitis C virus]
        Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|16517628|gb|AAL24776.1| polyprotein [Hepatitis C virus]
        Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|16517626|gb|AAL24775.1| polyprotein [Hepatitis C virus]
  gi|16517604|gb|AAL24764.1| polyprotein [Hepatitis C virus]
        Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|16517620|gb|AAL24772.1| polyprotein [Hepatitis C virus]
        Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|16517618|gb|AAL24771.1| polyprotein [Hepatitis C virus]
         Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517602|gb|AAL24763.1| polyprotein [Hepatitis C virus]
         Length = 154

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|471117|dbj|BAA01728.1| polyprotein precursor [Hepatitis C virus]
         Length = 3010

 Score = 75.9 bits (185), Expect = 3e-13
 Identities = 34/34 (100%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340

☐ >gi|74462|pir||GNWVTW   genome polyprotein - hepatitis C virus (strain Taiwan)
  gi|266821|sp|P29846|POLG_HCVTW   Genome polyprotein [Contains: Capsid protein C (Cor
         (p21); Envelope glycoprotein E1 (gp32) (gp35); Envelope
         glycoprotein E2 (gp68) (gp70) (NS1); p7; Protease NS2
         (p23) (NS2-3 proteinase); Protease/helicase NS3 (p70)
         (Hepacivirin); Nonstructural protein 4A (NS4A) (p8);
         Nonstructural protein 4B (NS4B) (p27); Nonstructural
         protein 5A (NS5A) (Membrane-associated serine
         phosphoprotein) (p56) (p58); RNA-directed RNA polymerase
         (p68) (NS5B)]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340

☐ >gi|402466|gb|AAA45586.1| envelope protein E1

http://www.ncbi.nlm.nih.gov/BLAST/Blast.cgi   12/23/04

```
                    Length = 192

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 116  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 149




 □ >gi|402426|gb|AAA45566.1|    envelope protein E1
            Length = 192

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 116  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 149




 □ >gi|402402|gb|AAA45554.1|    envelope protein E1
            Length = 192

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 116  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 149




 □ >gi|402390|gb|AAA45548.1|    envelope protein E1
            Length = 192

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 116  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 149




 □ >gi|53802144|gb|AAU94243.1|    polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149
```

☐ >gi|53802142|gb|AAU94242.1| polyprotein [Hepatitis C virus]
gi|53802126|gb|AAU94234.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|53802140|gb|AAU94241.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|53802138|gb|AAU94240.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|53802136|gb|AAU94239.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|53802132|gb|AAU94237.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|53802128|gb|AAU94235.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 149

☐ >gi|29365741|gb|AAO83263.1| envelope protein E1 [Hepatitis C virus]
         Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365729|gb|AAO83257.1| envelope protein E1 [Hepatitis C virus]
         Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365651|gb|AAO83218.1| envelope protein E1 [Hepatitis C virus]
         Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365637|gb|AAO83211.1| envelope protein E1 [Hepatitis C virus]
         Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34

```
                SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78       SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111
```

☐ >gi|29365635|gb|AAO83210.1| envelope protein E1 [Hepatitis C virus]
               Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1        SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
                SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78       SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111
```

☐ >gi|29365631|gb|AAO83208.1| envelope protein E1 [Hepatitis C virus]
               Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1        SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
                SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78       SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111
```

☐ >gi|29365607|gb|AAO83196.1| envelope protein E1 [Hepatitis C virus]
               Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1        SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
                SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78       SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111
```

☐ >gi|29365605|gb|AAO83195.1| envelope protein E1 [Hepatitis C virus]
               Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1        SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
                SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78       SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111
```

☐ >gi|29365587|gb|AAO83186.1| envelope protein E1 [Hepatitis C virus]
   gi|29365583|gb|AAO83184.1| envelope protein E1 [Hepatitis C virus]
               Length = 119

 Score = 75.5 bits (184), Expect = 4e-13

Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365585|gb|AAO83185.1| envelope protein E1 [Hepatitis C virus]
           Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365537|gb|AAO83161.1| envelope protein E1 [Hepatitis C virus]
           Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365535|gb|AAO83160.1| envelope protein E1 [Hepatitis C virus]
           Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 78   SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 111

☐ >gi|29365533|gb|AAO83159.1| envelope protein E1 [Hepatitis C virus]
           Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 111

☐ >gi|29365531|gb|AAO83158.1| envelope protein E1 [Hepatitis C virus]
  gi|29365529|gb|AAO83157.1| envelope protein E1 [Hepatitis C virus]

```
                  Length = 119

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 111




 ☐ >gi|19879470|gb|AAL50213.1|    polyprotein [Hepatitis C virus]
                  Length = 1117


 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340




 ☐ >gi|4753721|emb|CAB41951.1|    polyprotein [Hepatitis C virus]
                  Length = 3010


 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340




 ☐ >gi|4753719|emb|CAB41950.1|    polyprotein [Hepatitis C virus]
                  Length = 3012


 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340




 ☐ >gi|59471|emb|CAA47713.1|    HCV polyprotein [Hepatitis C virus]
 gi|93953|pir||S25123    genome polyprotein (clone Glob.1) - hepatitis C virus   (frag
                  Length = 177


 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 111  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 144
```

□ >gi|296105|emb|CAA51485.1| envelope protein E1 [Hepatitis C virus]
gi|420571|pir||S32743   genome polyprotein - hepatitis C virus (isolate EG-1)   (fra
          Length = 177

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 111 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 144

□ >gi|22549393|emb|CAD44988.1| E1 protein [Hepatitis C virus]
          Length = 241

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 132 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 165

□ >gi|22549379|emb|CAD44981.1| E1 protein [Hepatitis C virus]
          Length = 241

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 132 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 165

□ >gi|22549367|emb|CAD44975.1| E1 protein [Hepatitis C virus]
          Length = 259

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 132 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 165

□ >gi|22549361|emb|CAD44972.1| E1 protein [Hepatitis C virus]
          Length = 240

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI

```
Sbjct: 132 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 165
```

☐ >gi|46560634|gb|AAT00643.1| polyprotein [Hepatitis C virus]
            Length = 3010

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|20339983|gb|AAM19644.1| E1/E2 protein [Hepatitis C virus]
gi|16517614|gb|AAL24769.1| polyprotein [Hepatitis C virus]
            Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 55
```

☐ >gi|20339913|gb|AAM19610.1| E1/E2 protein [Hepatitis C virus]
gi|16517488|gb|AAL24706.1| polyprotein [Hepatitis C virus]
gi|16517478|gb|AAL24701.1| polyprotein [Hepatitis C virus]
gi|16517476|gb|AAL24700.1| polyprotein [Hepatitis C virus]
            Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339911|gb|AAM19609.1| E1/E2 protein [Hepatitis C virus]
gi|20339909|gb|AAM19608.1| E1/E2 protein [Hepatitis C virus]
gi|20339907|gb|AAM19607.1| E1/E2 protein [Hepatitis C virus]
gi|20339897|gb|AAM19602.1| E1/E2 protein [Hepatitis C virus]
gi|20339893|gb|AAM19600.1| E1/E2 protein [Hepatitis C virus]
gi|20339891|gb|AAM19599.1| E1/E2 protein [Hepatitis C virus]
gi|20339887|gb|AAM19597.1| E1/E2 protein [Hepatitis C virus]
gi|16517450|gb|AAL24687.1| polyprotein [Hepatitis C virus]
gi|16517444|gb|AAL24684.1| polyprotein [Hepatitis C virus]
gi|16517442|gb|AAL24683.1| polyprotein [Hepatitis C virus]
            Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)
```

```
Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339905|gb|AAM19606.1| E1/E2 protein [Hepatitis C virus]
  gi|20339895|gb|AAM19601.1| E1/E2 protein [Hepatitis C virus]
  gi|16517456|gb|AAL24690.1| polyprotein [Hepatitis C virus]
  gi|16517454|gb|AAL24689.1| polyprotein [Hepatitis C virus]
          Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339903|gb|AAM19605.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339901|gb|AAM19604.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339899|gb|AAM19603.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55
```

☐ >gi|20339889|gb|AAM19598.1| E1/E2 protein [Hepatitis C virus]

Length = 154

Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517616|gb|AAL24770.1| polyprotein [Hepatitis C virus]
           Length = 154

Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLR+
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRV 55

☐ >gi|16517480|gb|AAL24702.1| polyprotein [Hepatitis C virus]
           Length = 154

Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517474|gb|AAL24699.1| polyprotein [Hepatitis C virus]
  gi|16517460|gb|AAL24692.1| polyprotein [Hepatitis C virus]
           Length = 154

Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517472|gb|AAL24698.1| polyprotein [Hepatitis C virus]
           Length = 154

Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517466|gb|AAL24695.1|　　polyprotein [Hepatitis C virus]
　gi|16517462|gb|AAL24693.1|　　polyprotein [Hepatitis C virus]
　　　　　　　Length = 154

　Score = 75.5 bits (184), Expect = 4e-13
　Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1　　SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
　　　　　　 SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22　 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517464|gb|AAL24694.1|　　polyprotein [Hepatitis C virus]
　　　　　　　Length = 154

　Score = 75.5 bits (184), Expect = 4e-13
　Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1　　SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
　　　　　　 SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22　 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517458|gb|AAL24691.1|　　polyprotein [Hepatitis C virus]
　　　　　　　Length = 154

　Score = 75.5 bits (184), Expect = 4e-13
　Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1　　SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
　　　　　　 SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22　 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517452|gb|AAL24688.1|　　polyprotein [Hepatitis C virus]
　　　　　　　Length = 154

　Score = 75.5 bits (184), Expect = 4e-13
　Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1　　SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
　　　　　　 SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22　 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

☐ >gi|16517448|gb|AAL24686.1|　　polyprotein [Hepatitis C virus]
　　　　　　　Length = 154

　Score = 75.5 bits (184), Expect = 4e-13
　Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1　　SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
　　　　　　 SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI

Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

>gi|16517446|gb|AAL24685.1| polyprotein [Hepatitis C virus]
         Length = 154

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 22 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 55

>gi|55734170|emb|CAH61379.1| envelope glycoproteins E1E2 [Hepatitis C virus type
         Length = 621

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 151 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 184

>gi|7650266|gb|AAF65964.1| polyprotein [Hepatitis C virus]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340

>gi|7650234|gb|AAF65948.1| polyprotein [Hepatitis C virus]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1.   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340

>gi|7650230|gb|AAF65946.1| polyprotein [Hepatitis C virus]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|56342207|dbj|BAD73981.1| polyprotein [Hepatitis C virus type 1b]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|56342205|dbj|BAD73980.1| polyprotein [Hepatitis C virus type 1b]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|56342199|dbj|BAD73977.1| polyprotein [Hepatitis C virus type 1b]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|56342197|dbj|BAD73976.1| polyprotein [Hepatitis C virus type 1b]
         Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|1469855|dbj|BAA06059.1| E1 protein [Hepatitis C virus]
         Length = 205

 Score = 75.5 bits (184), Expect = 4e-13

Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 172 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 205

☐ >gi|5814017|gb|AAD52089.1| E1 protein [Hepatitis C virus]
            Length = 195

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 117 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 150

☐ >gi|11559443|dbj|BAB18801.1| polyprotein [Hepatitis C virus]
            Length = 3010

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%) `

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340

☐ >gi|2766760|gb|AAB95502.1| polyprotein [Hepatitis C virus]
            Length = 456

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 116 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 149

☐ >gi|320211|pir||JH0711   genome polyprotein - hepatitis C virus (strain PRC1)   (fr
            Length = 550

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 340

☐ >gi|1173757|gb|AAA86579.1| polyprotein
            Length = 279

```
Score = 75.5 bits (184), Expect = 4e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 41  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 74




☐ >gi|1173755|gb|AAA86578.1|    polyprotein
  gi|1173753|gb|AAA86577.1|    polyprotein
  gi|1173751|gb|AAA86576.1|    polyprotein
           Length = 279

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 41  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 74




☐ >gi|1173729|gb|AAA86565.1|    polyprotein
  gi|1173714|gb|AAA86558.1|    polyprotein
  gi|1173712|gb|AAA86557.1|    polyprotein
           Length = 280

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 41  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 74




☐ >gi|1173727|gb|AAA86564.1|    polyprotein
           Length = 280

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 41  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 74




☐ >gi|9864801|gb|AAB32565.2|    envelope protein [Hepatitis C virus]
           Length = 223

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 109  SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 142
```

☐ >gi|1091550|prf||2021240A   E1 protein
              Length = 185

 Score = 75.5 bits (184), Expect = 4e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 109 SIYPGHVTGHRMAWDMMMNWSPTTALVVSQLLRI 142

☐ >gi|296109|emb|CAA51487.1| envelope protein E1 [Hepatitis C virus]
  gi|420572|pir||S32745   genome polyprotein - hepatitis C virus (isolate EG-2)   (fra
              Length = 177

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 111 SIYPGHLTGHRMAWDMMMNWSPTTALVVSQLLRI 144

☐ >gi|22549389|emb|CAD44986.1| E1 protein [Hepatitis C virus]
              Length = 240

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 132 SIYPGHLTGHRMAWDMMMNWSPTTALVVSQLLRI 165

☐ >gi|7650228|gb|AAF65945.1| polyprotein [Hepatitis C virus]
              Length = 3010

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            S+YPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307 SLYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340

☐ >gi|5918931|gb|AAD56181.1| polyprotein [Hepatitis C virus]
              Length = 3010

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            S+YPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SLYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|5918929|gb|AAD56180.1| polyprotein [Hepatitis C virus]
        Length = 3010

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            S+YPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SLYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|37622945|gb|AAQ95654.1| polyprotein [Hepatitis C virus]
        Length = 575

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 136  SIYPGHLTGHRMAWDMMMNWSPTTALVVSQLLRI 169
```

☐ >gi|1814090|dbj|BAA09075.1| polyprotein [Hepatitis C virus]
        Length = 3010

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            S+YPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SLYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|1814087|dbj|BAA09073.1| polyprotein [Hepatitis C virus]
        Length = 3010

 Score = 75.1 bits (183), Expect = 5e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            S+YPGHITGHRMAWDMMMNWSPTTALVVSQLLRI
Sbjct: 307  SLYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 340
```

☐ >gi|402446|gb|AAA45576.1| envelope protein E1
        Length = 192

 Score = 74.7 bits (182), Expect = 6e-13

Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```


☐ >gi|402436|gb|AAA45571.1| envelope protein E1
        Length = 192

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```


☐ >gi|402432|gb|AAA45569.1| envelope protein E1
        Length = 192

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```


☐ >gi|402410|gb|AAA45558.1| envelope protein E1
        Length = 192

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```


☐ >gi|55275810|gb|AAV49743.1| polyprotein [Hepatitis C virus]
        Length = 2742

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 307  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 340
```


☐ >gi|55275808|gb|AAV49742.1| polyprotein [Hepatitis C virus]
        Length = 2742

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 307  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 340
```

☐ >gi|53802261|gb|AAU94300.1| polyprotein [Hepatitis C virus]
         Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802259|gb|AAU94299.1| polyprotein [Hepatitis C virus]
         Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802255|gb|AAU94297.1| polyprotein [Hepatitis C virus]
         Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802253|gb|AAU94296.1| polyprotein [Hepatitis C virus]
         Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802251|gb|AAU94295.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802249|gb|AAU94294.1| polyprotein [Hepatitis C virus]
   gi|53802245|gb|AAU94292.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802247|gb|AAU94293.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802243|gb|AAU94291.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802241|gb|AAU94290.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802239|gb|AAU94289.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802237|gb|AAU94288.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802235|gb|AAU94287.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802233|gb|AAU94286.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802229|gb|AAU94284.1| polyprotein [Hepatitis C virus]
        Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34

```
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802227|gb|AAU94283.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802225|gb|AAU94282.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802223|gb|AAU94281.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802221|gb|AAU94280.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802219|gb|AAU94279.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802217|gb|AAU94278.1| polyprotein [Hepatitis C virus]
       Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802215|gb|AAU94277.1| polyprotein [Hepatitis C virus]
       Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802213|gb|AAU94276.1| polyprotein [Hepatitis C virus]
       Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802211|gb|AAU94275.1| polyprotein [Hepatitis C virus]
       Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802206|gb|AAU94273.1| polyprotein [Hepatitis C virus]
       Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802203|gb|AAU94272.1| polyprotein [Hepatitis C virus]
                Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802201|gb|AAU94271.1| polyprotein [Hepatitis C virus]
                Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802198|gb|AAU94270.1| polyprotein [Hepatitis C virus]
                Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802196|gb|AAU94269.1| polyprotein [Hepatitis C virus]
   gi|53802188|gb|AAU94265.1| polyprotein [Hepatitis C virus]
                Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53802194|gb|AAU94268.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53802192|gb|AAU94267.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53802190|gb|AAU94266.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53802186|gb|AAU94264.1| polyprotein [Hepatitis C virus]
 gi|53802182|gb|AAU94262.1| polyprotein [Hepatitis C virus]
 gi|53802174|gb|AAU94258.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53802184|gb|AAU94263.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI

Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802180|gb|AAU94261.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802178|gb|AAU94260.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802176|gb|AAU94259.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802087|gb|AAU94215.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802085|gb|AAU94214.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802083|gb|AAU94213.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802081|gb|AAU94212.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802079|gb|AAU94211.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802075|gb|AAU94209.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802073|gb|AAU94208.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13

Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802071|gb|AAU94207.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802067|gb|AAU94205.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802065|gb|AAU94204.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802063|gb|AAU94203.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802061|gb|AAU94202.1| polyprotein [Hepatitis C virus]
            Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802059|gb|AAU94201.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802057|gb|AAU94200.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802055|gb|AAU94199.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802053|gb|AAU94198.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53802051|gb|AAU94197.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802049|gb|AAU94196.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802045|gb|AAU94194.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802019|gb|AAU94181.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802017|gb|AAU94180.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802015|gb|AAU94179.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802013|gb|AAU94178.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802011|gb|AAU94177.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802009|gb|AAU94176.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802007|gb|AAU94175.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI

Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802005|gb|AAU94174.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802003|gb|AAU94173.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53802001|gb|AAU94172.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801997|gb|AAU94170.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801995|gb|AAU94169.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query:   1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
              SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116    SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801993|gb|AAU94168.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query:   1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
              SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116    SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801989|gb|AAU94166.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query:   1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
              SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116    SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801987|gb|AAU94165.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query:   1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
              SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116    SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801985|gb|AAU94164.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query:   1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
              SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116    SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801983|gb|AAU94163.1| polyprotein [Hepatitis C virus]
             Length = 426

 Score = 74.7 bits (182), Expect = 6e-13

Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801951|gb|AAU94147.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801948|gb|AAU94146.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801946|gb|AAU94145.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801944|gb|AAU94144.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801941|gb|AAU94143.1| polyprotein [Hepatitis C virus]
         Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801939|gb|AAU94142.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801937|gb|AAU94141.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801935|gb|AAU94140.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801933|gb|AAU94139.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801931|gb|AAU94138.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801929|gb|AAU94137.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801927|gb|AAU94136.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801925|gb|AAU94135.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801923|gb|AAU94134.1| polyprotein [Hepatitis C virus]
            Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801919|gb|AAU94132.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801913|gb|AAU94129.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801911|gb|AAU94128.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801909|gb|AAU94127.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801907|gb|AAU94126.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI

☐ >gi|53801905|gb|AAU94125.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801903|gb|AAU94124.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801901|gb|AAU94123.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801899|gb|AAU94122.1| polyprotein [Hepatitis C virus]
  gi|53801897|gb|AAU94121.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801895|gb|AAU94120.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI  34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI  149
```

☐ >gi|53801891|gb|AAU94118.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI  34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI  149
```

☐ >gi|53801889|gb|AAU94117.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI  34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI  149
```

☐ >gi|53801887|gb|AAU94116.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI  34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI  149
```

☐ >gi|53801885|gb|AAU94115.1| polyprotein [Hepatitis C virus]
        Length = 426

Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI  34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI  149
```

☐ >gi|53801861|gb|AAU94103.1| polyprotein [Hepatitis C virus]
  gi|53801851|gb|AAU94098.1| polyprotein [Hepatitis C virus]
  gi|53801841|gb|AAU94093.1| polyprotein [Hepatitis C virus]

```
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149




 ☐ >gi|53801859|gb|AAU94102.1|    polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149




 ☐ >gi|53801855|gb|AAU94100.1|    polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149




 ☐ >gi|53801853|gb|AAU94099.1|    polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149




 ☐ >gi|53801849|gb|AAU94097.1|    polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)


Query: 1     SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
             SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

□ >gi|53801847|gb|AAU94096.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53801843|gb|AAU94094.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53801839|gb|AAU94092.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53801809|gb|AAU94077.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

□ >gi|53801807|gb|AAU94076.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801805|gb|AAU94075.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801803|gb|AAU94074.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801801|gb|AAU94073.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801799|gb|AAU94072.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801797|gb|AAU94071.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI

☐ >gi|53801795|gb|AAU94070.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801793|gb|AAU94069.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801791|gb|AAU94068.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801789|gb|AAU94067.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|53801787|gb|AAU94066.1| polyprotein [Hepatitis C virus]
         Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801763|gb|AAU94054.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801761|gb|AAU94053.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801759|gb|AAU94052.1| polyprotein [Hepatitis C virus]
   gi|53801744|gb|AAU94045.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801757|gb|AAU94051.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

```
Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801755|gb|AAU94050.1| polyprotein [Hepatitis C virus]
          Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801753|gb|AAU94049.1| polyprotein [Hepatitis C virus]
            Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801751|gb|AAU94048.1| polyprotein [Hepatitis C virus]
            Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801747|gb|AAU94046.1| polyprotein [Hepatitis C virus]
            Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801670|gb|AAU94008.1| polyprotein [Hepatitis C virus]
            Length = 426

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801664|gb|AAU94005.1| polyprotein [Hepatitis C virus]

```
                          Length = 426

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801662|gb|AAU94004.1| polyprotein [Hepatitis C virus]
```
            Length = 426

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801660|gb|AAU94003.1| polyprotein [Hepatitis C virus]
```
            Length = 426

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801654|gb|AAU94000.1| polyprotein [Hepatitis C virus]
 gi|53801648|gb|AAU93997.1| polyprotein [Hepatitis C virus]
```
            Length = 426

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801652|gb|AAU93999.1| polyprotein [Hepatitis C virus]
```
            Length = 426

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149
```

☐ >gi|53801650|gb|AAU93998.1| polyprotein [Hepatitis C virus]
          Length = 426

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 116 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 149

☐ >gi|29365625|gb|AAO83205.1| envelope protein E1 [Hepatitis C virus]
          Length = 119

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 78   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 111

☐ >gi|930028|emb|CAA37296.1| putative envelope protein E1 and E1-NS1/E2 junction [
          virus]
     gi|130459|sp|P27953|POLG_HCVE0   Genome polyprotein [Contains: Envelope glycoprotein
          (gp35); Envelope glycoprotein E2 (gp68) (gp70) (NS1)]
          Length = 138

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 8   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 41

☐ >gi|930031|emb|CAA37294.1| putative envelope protein E1 and E1-NS1/E2 junction [
          virus]
     gi|130470|sp|P27957|POLG_HCVTH   Genome polyprotein [Contains: Capsid protein C (Cor
          (p21); Envelope glycoprotein E1 (gp32) (gp35); Envelope
          glycoprotein E2 (gp68) (gp70) (NS1)]
          Length = 321

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 191 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 224

☐ >gi|296115|emb|CAA51480.1| envelope protein E1 [Hepatitis C virus]
     gi|420574|pir||S32749   genome polyprotein - hepatitis C virus (isolate RU-1) (fra

```
                 Length = 177

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 32/34 (94%), Positives = 34/34 (100%)


Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGH+TGHRMAWDMMMNWSPTTA+VVSQLLRI
Sbjct: 111  SIYPGHVTGHRMAWDMMMNWSPTTAIVVSQLLRI 144



☐ >gi|20340019|gb|AAM19662.1|   E1/E2 protein [Hepatitis C virus]
   gi|20340015|gb|AAM19660.1|   E1/E2 protein [Hepatitis C virus]
            Length = 154

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55



☐ >gi|20340017|gb|AAM19661.1|   E1/E2 protein [Hepatitis C virus]
   gi|16517681|gb|AAL24802.1|   polyprotein [Hepatitis C virus]
   gi|16517675|gb|AAL24799.1|   polyprotein [Hepatitis C virus]
            Length = 154

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55



☐ >gi|20340013|gb|AAM19659.1|   E1/E2 protein [Hepatitis C virus]
            Length = 154

  Score = 74.7 bits (182), Expect = 6e-13
  Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1    SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
            SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22   SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55



☐ >gi|20339993|gb|AAM19649.1|   E1/E2 protein [Hepatitis C virus]
   gi|20339991|gb|AAM19648.1|   E1/E2 protein [Hepatitis C virus]
   gi|16517648|gb|AAL24786.1|   polyprotein [Hepatitis C virus]
   gi|16517646|gb|AAL24785.1|   polyprotein [Hepatitis C virus]
   gi|16517644|gb|AAL24784.1|   polyprotein [Hepatitis C virus]
   gi|16517642|gb|AAL24783.1|   polyprotein [Hepatitis C virus]
   gi|16517636|gb|AAL24780.1|   polyprotein [Hepatitis C virus]
            Length = 154
```

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55
```

☐ >gi|20339793|gb|AAM19550.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55
```

☐ >gi|20339791|gb|AAM19549.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55
```

☐ >gi|20339789|gb|AAM19548.1| E1/E2 protein [Hepatitis C virus]
  gi|20339787|gb|AAM19547.1| E1/E2 protein [Hepatitis C virus]
  gi|16517315|gb|AAL24620.1| polyprotein [Hepatitis C virus]
          Length = 154

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55
```

☐ >gi|20339785|gb|AAM19546.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

```
Score = 74.7 bits (182), Expect = 6e-13
Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22  SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55
```

☐ >gi|20339783|gb|AAM19545.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55

☐ >gi|20339779|gb|AAM19543.1| E1/E2 protein [Hepatitis C virus]
          Length = 154

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55

☐ >gi|20339777|gb|AAM19542.1| E1/E2 protein [Hepatitis C virus]
  gi|16517299|gb|AAL24612.1| polyprotein [Hepatitis C virus]
  gi|16517297|gb|AAL24611.1| polyprotein [Hepatitis C virus]
  gi|16517295|gb|AAL24610.1| polyprotein [Hepatitis C virus]
  gi|16517289|gb|AAL24607.1| polyprotein [Hepatitis C virus]
  gi|16517285|gb|AAL24605.1| polyprotein [Hepatitis C virus]
  gi|16517283|gb|AAL24604.1| polyprotein [Hepatitis C virus]
  gi|16517281|gb|AAL24603.1| polyprotein [Hepatitis C virus]
  gi|16517279|gb|AAL24602.1| polyprotein [Hepatitis C virus]
  gi|16517275|gb|AAL24600.1| polyprotein [Hepatitis C virus]
  gi|16517271|gb|AAL24598.1| polyprotein [Hepatitis C virus]
          Length = 154

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55

☐ >gi|16517673|gb|AAL24798.1| polyprotein [Hepatitis C virus]
          Length = 154

 Score = 74.7 bits (182), Expect = 6e-13
 Identities = 33/34 (97%), Positives = 34/34 (100%)

Query: 1   SIYPGHITGHRMAWDMMMNWSPTTALVVSQLLRI 34
           SIYPGHITGHRMAWDMMMNWSPTTALVV+QLLRI
Sbjct: 22 SIYPGHITGHRMAWDMMMNWSPTTALVVAQLLRI 55

Database: All non-redundant GenBank CDS
translations+PDB+SwissProt+PIR+PRF excluding environmental samples
   Posted date: Dec 22, 2004 5:01 AM
  Number of letters in database: 760,999,257
  Number of sequences in database: 2,254,400

Lambda   K   H
   0.326   0.133   0.455

Gapped
Lambda   K   H
   0.267   0.0410   0.140

Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Hits to DB: 13,771,112
Number of Sequences: 2254400
Number of extensions: 212403
Number of successful extensions: 1851
Number of sequences better than 10.0: 890
Number of HSP's better than 10.0 without gapping: 890
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 961
Number of HSP's gapped (non-prelim): 890
length of query: 34
length of database: 760,999,257
effective HSP length: 8
effective length of query: 26
effective length of database: 742,964,057
effective search space: 19317065482
effective search space used: 19317065482
T: 11
A: 40
X1: 15 (7.1 bits)
X2: 38 (14.6 bits)
X3: 64 (24.7 bits)
S1: 40 (21.7 bits)
S2: 69 (31.2 bits)